

Commonwealth of Kentucky
Division for Air Quality
EXECUTIVE SUMMARY

FINAL TITLE V/SYNTHETIC MINOR, CONSTRUCTION/OPERATING No. V-06-046

DART Polymers, Inc.

OWENSBORO, KY

NOVEMBER 26, 2007

RALPH GOSNEY, P.E., REVIEWER

SOURCE ID: 21-059-00131

AGENCY INTEREST #: 895

ACTIVITY ID: APE20050002

SOURCE DESCRIPTION:

A Title V operating permit renewal application was received from Dart Polymers, Inc. on December 5, 2005. Dart Polymers, Inc. (Dart) owns and operates a polystyrene beads and pellets manufacturing plant and an impregnation facility in Owensboro, Kentucky. This source is a major source for VOCs and HAPs. The primary activity at the Owensboro facility is the polymerization of polystyrene, which falls under the SIC code of 2821. There are three primary production processes at the facility including Polystyrene Pellets (Plant 1 - Mass Plant), Impregnated Polystyrene Beads (Plant 2 - Impregnation Plant), and Polystyrene Beads (Plant 3 - Suspension Plant).

The potential to emit, as defined in 401 KAR 52:001, Section 1 (56) of volatile organic compounds (VOC) as a regulated air pollutant is greater than one hundred (100) tons per year; and the potential to emit of single and combined hazardous air pollutants (HAPs) is greater than 10 and 25 tons per year, respectively. Therefore, the source is a major source and is subject to the provisions of 401 KAR 52:020. The facility is also a major source, as defined in 401 KAR 51:001 for the emission of VOC, but has not had a significant emissions increase since becoming a major source for Prevention of Significant Deterioration of air quality (PSD). The original Title V Permit No. V-00-003 was issued on June 4, 2001 to this source. This is a Title V renewal and construction/operating permit issued for this source.

PUBLIC AND AFFECTED STATE REVIEW:

On August 31, 2007, the public notice on availability of the draft permit and supporting material for comments by persons affected by the plant was published in *Owensboro Messenger Inquirer* in Owensboro, Kentucky. The public comment period expired 30 days from the date of publication. No comments were received during this period.

The U.S. EPA was notified of the issuance of the proposed permit on October 8, 2007 via e-mail. The comment period expired 45 days from the date of e-mail. No comments were received during this period. The permit is now being issued final.